

# ABSTRACT OF THE DISCLOSURE

A robot for a production machine including a rotation drive unit disposed on a support base; a first arm having a proximal end portion fixed to a rotary shaft of the rotation drive unit; a first proximal-side pulley disposed coaxially with the rotary shaft and fixed to the support base; a second proximal-side pulley fixed to a distal end portion of the first arm; an intermediate shaft rotatably supported on the distal end portion of the first arm and penetrating a center portion of the second proximal-side pulley; a first distal-side pulley provided integrally with the intermediate shaft; a first rotation transmission section for drivingly connecting the first distal-side pulley and the first proximal-side pulley; a second arm having a proximal end portion fixed to the intermediate shaft; a distal-side shaft rotatably supported on a distal end portion of the second arm; a second distal-side pulley provided integrally with the distal-side shaft; a second rotation transmission section for drivingly connecting the second distal-side pulley and the second proximal-side pulley; and a chuck fixed to the distal-side shaft. The tooth-number ratio between the first proximal-side pulley and the first distal-side pulley is set to  $n:1$ . The tooth-number ratio between the second proximal-side pulley and the second distal-side pulley is set to  $1:m$ .